Chris Sinclair

[Portfolio Website](#) | [GitHub](#) | [LinkedIn](#) | Chicago, IL

I.T. professional of 10 years seeking a career shift into the field of software engineering.

Skills and Software Proficiencies

Programming:	Python, Java, R, C++, C#
Web & Database:	HTML, CSS, Javascript, SQL, XML, SQLite, PostgreSQL
Libraries:	Matplotlib, Pandas, NumPy, SciPy, Scikit-Learn, PyTorch, TensorFlow, ggplot
Frameworks:	NodeJS, Express.js, .NET MAUI, Qt
Software:	Git, VSCode, Jupyter Notebook, R Studio, MS Office, Blender
Certifications:	Microsoft: AZ-900 (Azure Fundamentals), Q-SYS Level 1,
	Crestron: CTI-P101 (Programming)

Education

Bachelor of Arts: *Web Technologies*
Data Science (Honors)
Loyola University Chicago, December 2023

Bachelor of Fine Arts: *Digital Media*
Computer Animation
Kendall College of Art & Design, May 2011

Projects

Practice Applications (Software Engineering) *January, 2024 - March, 2024*
Personal Project: [GitHub](#)
- Created an assortment of applications/games for learning purposes.
- *Python:* Text Editor, Clock, Animated GUI.
- *Java:* Drawing App, Login System (using a HashMap), Snake Game, Calculator, DS&A.
- *C++:* Tic-Tac-Toe Game, Text Editor w/ custom icons, DS&A.

Image Classification Report — TensorFlow & PyTorch (Machine Learning) *February, 2024*
Personal Project: [Report](#) | [GitHub](#)
- Created custom dataset of basic shapes and worked in both libraries to build the same project of creating an image classifier. Process involved loading datasets, preprocessing, building the model, and evaluating results with specific metrics (training & validation accuracy/loss). Visualizations include graphs comparing results between custom dataset and Kaggle dataset.
- *Tech Stack: Python (PyTorch, TensorFlow, Matplotlib, NumPy, Pandas), Jupyter Notebook*

Portfolio Website (Front-End Development) *January, 2024 - March, 2024*
Personal Project: [Website](#) | [GitHub](#)
- Built responsive website to showcase animation/tech projects. Tech projects range from data science, to machine learning, to software engineering.
- *Tech Stack: HTML, CSS, JavaScript*

Experience

Open Source Contributor *present*
Pencil2D Animation Software — [GitHub](#)
Implemented keyboard shortcuts for users to flip selected items (x, y) in the canvas using C++ in the Qt framework. Also adjusted previous shortcuts to distinguish between Display & Selection Flip.

Technology Coordinator, Classroom Technology Support *August, 2018 - March, 2024*
Loyola University Chicago — Chicago, IL
Oversee maintenance and functionality of all classroom & event spaces on campus. Reprogram & reconfigure Crestron/Q-SYS AV processors to resolve issues w/ functionality. Facilitate CTS portion of ensuring full testing and deployment of the campus-wide reimaging process.